

CONTRACT REQUESTS FORM (CRF)

CEC-94 (07/10)

CALIFORNIA ENERGY COMMISSION



☒ New Contract ☐ Amendment to Existing Contract: _____ Amendment Number: _____

Division	Contract Manager:	MS-	Phone	CM Training Date
Energy Research and Development	Prab Sethi	47	916-327-1302	12/4/1997

Contractor's Legal Name	Federal ID Number
KEMA, Inc.	54-1067916

Title of Project
Evaluation and Optimization of Concentrated Solar Power Coupled with Thermal Energy Storage

Term	Start Date	End Date	Amount
New/Original Contract	6/30/2011	12/31/2014	\$ 447,642

Line up the Amendment information as best as possible within the following table.

Amendment #	End Date (mm/dd/yy)	Amount

Business Meeting Information

Proposed Business Meeting Date	5/31/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Prab Sethi	Time Needed:	5 minutes

Agenda Item Subject and Description

Possible approval of Contract 500-10-064 for \$447,642.00 with KEMA, Inc. for evaluation and optimization of concentrated solar power coupled with thermal energy storage. (PIER natural gas funding.) Contract: Prab Sethi (5 minutes)

Business Meeting approval is not required for the following types of contracts: *Executive Director's signature is required in all cases.*

- ☐ Contracts less than \$10k (*Policy Committee's signature is also required*)
- ☐ Amendment for a no-cost time extension. Must be first extension, less than one year and original contract less than \$100k.
- ☐ Contracts less than \$25k for Expert Witness in Energy Facility licensing cases and amendments.

Purpose of Contract or Purpose of Amendment, if applicable

The purpose of this project is to define the benefits, costs, and impacts of increasing penetration of concentrated solar power (CSP)-coupled with thermal energy storage (TES) to the California electricity grid, along with the system configurations and control strategies needed to optimize economic and engineering performance.

California Environmental Quality Act (CEQA) Compliance

- Is Contract considered a "Project" under CEQA?

☐ Yes: skip to question 2 ☒ No: complete the following (PRC 21065 and 14 CCR 15378):

Explain why contract is not considered a "Project":

Contract will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because Contract will not cause a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because contract involves systems modeling and research.
- If contract is considered a "Project" under CEQA:

☐ a) Contract **IS** exempt. (Draft NOE required)

☐ Statutory Exemption. List PRC and/or CCR section number: _____

☐ Categorical Exemption. List CCR section number: _____

☐ Common Sense Exemption. 14 CCR 15061 (b) (3)

Explain reason why contract is exempt under the above section:

☐ b) Contract **IS NOT** exempt. The Contract Manager needs to consult with the Energy Commission attorney assigned to their division and the Siting Office regarding a possible Initial Study.

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Budgets Information								
Contract Amount Funded		Breakdown by FY			Funding Sources			
Funding Source	Amount	FY	Amount	Approved?	Funding Source	FY	Budget List No.	Amount
ARFVTF	\$	10-11	\$447,642	Yes	NG	09-10	501.001	\$447,642
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$		\$					\$
PIER - NG	\$447,642		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
TOTAL:	\$447,642	TOTAL:	\$447,642		TOTAL:			\$447,642
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer		Contractor's Project Manager	
Name:	Karen Valter	Name:	Karin Corfee
Address:	155 Grand Ave Ste 500 Suite 500	Address:	155 Grand Ave Ste 500 Suite 500
City, State, Zip:	Oakland, CA 94612-3747	City, State, Zip:	Oakland, CA 94612-3747
Phone/ Fax:	510-891-0446 / 510-891-0440	Phone/ Fax:	(510) 891-0446 / 510-891-0440
E-Mail:	karen.valter@kema.com	E-Mail:	karin.corfee@us.kema.com

Contractor Is
<input checked="" type="checkbox"/> Private Company (including non-profits)
<input type="checkbox"/> CA State Agency (including UC and CSU)
<input type="checkbox"/> Government Entity (i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)

Selection Process Used		
<input checked="" type="checkbox"/> Solicitation	RFP	Solicitation #: 500-10-503
<input type="checkbox"/> Non Competitive Bid (Attach CEC 96)		
<input type="checkbox"/> Exempt	Select Exemption	

Civil Service Considerations
<input type="checkbox"/> Not Applicable (Contract is with a CA State Entity or a membership/co-sponsorship)
<input checked="" type="checkbox"/> Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)
<input type="checkbox"/> The Services Contracted:
<input type="checkbox"/> are not available within civil service
<input type="checkbox"/> cannot be performed satisfactorily by civil service employees
<input type="checkbox"/> are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system
<input type="checkbox"/> The Services are of such an:
<input type="checkbox"/> urgent
<input type="checkbox"/> temporary, or
<input type="checkbox"/> occasional nature
that the delay to implement under civil service would frustrate their very purpose.
Justification:

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**Payment Method**

- ☒ A. Reimbursement in arrears based on:
- ☒ Itemized Monthly ☐ Itemized Quarterly ☐ Flat Rate ☐ One-time
- ☐ B. Advanced Payment
- ☐ C. Other, explain:

Retention

1. Is contract subject to retention? ☐ No ☒ Yes
- If Yes, Do you plan to release retention prior to contract termination? ☒ No ☐ Yes

Justification of Rates**KEMA Rate Justification:**

The proposed rate multiplier is lower to the rates charged by KEMA on Oak Ridge National Laboratory (ORNL) contract to perform a nationwide evaluation of the SEP program under ARRA. KEMA's rates are based on their budgeted cost structure.

The proposed 3.16 multiplier is lower than the existing 2008-11 RE Tech Support Contract and is lower than the recently closed KEMA PIER Technical Support Contract. Both of these contracts had labor multipliers in the 3.3 range.

Major Subcontractor TERRAFORE Rate Justification:

TERRAFRE has two contracts with U.S. DoE with the same hourly rates that are quoted for the proposed Energy Commission Contract. The DOE Award numbers are: DE-FG36-08GO18148 and DE-EE0003589

Disabled Veteran Business Enterprise Program (DVBE)

1. ☐ Not Applicable
2. ☒ Meets DVBE Requirements DVBE Amount:\$ \$13,803 DVBE %: 3
- ☐ Contractor is Certified DVBE
- ☒ Contractor is Subcontracting with a DVBE: Redhorse Technical Services Inc.
3. ☐ Requesting DVBE Exemption (attach CEC 95)

Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE?

☒ No ☐ Yes

If yes, check appropriate box: ☐ SB ☐ MB ☐ DVBE

Is Contractor subcontracting any services?

☐ No ☒ Yes

If yes, give company name and identify if they are a Small Business (SB), Micro Business (MB) and/or DVBE:

Redhorse Technical Services Inc.	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input checked="" type="checkbox"/> MB	<input checked="" type="checkbox"/> DVBE
The Regents of the University of California, Davis	<input checked="" type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
Terrafore. Inc.	<input checked="" type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
Alexander Mitsos	<input checked="" type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE
	<input type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB	<input type="checkbox"/> DVBE

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**Miscellaneous Contract Information**

- | | | |
|---|--|---|
| 1. Will there be Work Authorizations? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 2. Will there be IT expenditures? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 3. Is the Contractor providing confidential information? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 4. Is the contractor going to purchase equipment? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 5. Check frequency of progress reports | | |
| <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> _____ | | |
| 6. Will a final report be required? | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| 7. Is the contract, with amendments, longer than a year? If yes, why? | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |

The Department of General Services has agreed to give the Commission blanket authority to execute multi-year contracts to support the Commission's RD&D Programs.

The following items should be attached to this CRF

- | | | |
|---|------------------------------|-----------------------------------|
| 1. Scope of Work, Attach as Exhibit A. | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 2. Budget Detail, Attach as Exhibit B. | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 3. CEC 96, NCB Request | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 4. CEC 30, Survey of Prior Work | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 5. CEC 95, DVBE Exemption Request | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 6. Draft CEQA Notice of Exemption (NOE) | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 7. Resumes | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |

Contract Manager_____
Date_____
Office Manager_____
Date_____
Deputy Director_____
Date

The following signatures are only required when contract approval is delegated to the Executive Office and not approved at a Business Meeting.
See Business Meeting Information Section.

Presiding Policy Committee_____
Date_____
Associate Policy Committee_____
Date_____
Executive Director_____
Date